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INPADOC문서보기	원문보기 번역문보기
EXPANSION VALVE	

(19) 국가 (Country) : JP (Japan)

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(57) 요약 (Abstract) :

PROBLEM TO BE SOLVED: To improve a degree of freedom in a fixing structure of an expansion valve used in a freezing cycle of an automobile air conditioner.

SOLUTION: An expansion valve 1 has a main body 10 of rectangular column shape and a valve chamber 20 is formed within the main body 10. Refrigerant supplied from a compressor flows from a passage 22 into a valve chamber, passes between a valve member 42 and a valve seat 22, and flows from a passage 24 toward an evaporator. The refrigerant returned from the evaporator enters from a passage 26 into the main body 10 and, after the refrigerant transmits temperature information of refrigerant against an operating rod 40, the refrigerant flows from a passage 28 to the compressor. The passage 22 and the passage 28 are opened at the first side surface of the main body and the passages 24, 26 are opened at a side surface perpendicular to the first side surface. With such an arrangement as above, a degree of freedom of the fixing structure of the expansion valve 1 is improved.

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